ATRIUM
WINDOWS & DOORS

REPLACEMENT
VINYL WINDOWS & DOORS











SINCE 1948

A Commitment to Excellence

Enhance the comfort and beauty of your home with quality-crafted Atrium windows and doors. Built for long-lasting durability, energy efficiency, easy operation and weather resistance, each product is meticulously designed to perform on every level. As part of the Cornerstone Building Brands family, Atrium products are manufactured with the expertise of the nation's leading window and door manufacturer. The result is consistent quality, reliable support and a proven legacy of craftsmanship — giving you confidence that Atrium windows and doors are built to stand the test of time.

See Our Quality Practices in Action →



REPLACEMENT
VINYL WINDOWS & DOORS

The Vinyl Advantage

If you're looking for high-performance, energy-efficient windows that are virtually maintenance free, vinyl is the answer. It never needs painting or refinishing, and it creates tight seals that eliminate leaky drafts, reducing your energy costs all year long.





EASY CARE

Our windows tilt in for easy cleaning, and our vinyl never peels, cracks or warps so you can wipe it clean in a snap.

ENERGY EFFICIENCY

Our thermally fused frames and Low-E glass options offer optimal insulation against air, water and outside noise. Atrium replacement windows can help pay for themselves over time with energy savings.

EXCEPTIONAL CRAFTSMANSHIP

Practically maintenance free, Atrium premium vinyl never needs painting or refinishing. The fusion-welded construction bonds the corners for a durable, weather-resistant unit that helps homeowners reduce heating and cooling costs in any season.

QUALITY YOU CAN TRUST

Atrium replacement windows are backed by a transferable limited lifetime warranty. Glass components feature an optional lifetime glass breakage warranty. Each window is individually registered to expedite parts identification and replacement. See warranty for complete details.

Series 8900

VINYL WINDOWS



STANDARD SERIES FEATURES

- **Exclusive InsulKor™ polyurethane fiberglass-enriched sash reinforcement** for superior thermal and structural performance
- **3/4" constant force coil balance** offers incredibly easy sash mobility
- **Fusion-welded sashes and frame** add strength and boost insulation
- **Low-E glass with insulating argon gas** yields outstanding thermal efficiency
- **DP 60 rating** (window size tested 36" x 74")
- **Beveled mainframe** offers a stylish exterior appearance
- **Dual push-button night latches** position sashes for optimal ventilation
- **Integrated slim-line lift rail** allows you to easily operate sash
- **4-1/4" frame thickness** enhances appearance as well as structural integrity
- **External accessory groove** accommodates nail fin option
- **Full screen** is standard and removable from the inside*
- **Dual low profile**, positive-action cam locks increase security (2 locks standard at 27-1/4" width or wider)
- **Full interlocking lock and meeting rail**
- **Full vinyl sash dam** on sill and high-performance weather **stripping** protect against air infiltration
- **3.25" jamb depth** for ideal window sizing
- **Transferable limited lifetime warranty**
- **Lifetime glass breakage warranty**

*Screens are not meant to restrain a child from falling through an open window.

STANDARD SLIDER FEATURES

- Series 8900 sliding windows offer the same premium enhancements as 8900 double hung windows, plus:
- **Integrated glide channel** for easy sash opening and closing
- **Tandem rollers** ride easily along friction-free glide channel
- **Available in 1/4 - 1/2 - 1/4 or 1/3 - 1/3 - 1/3 configurations**
- **XX 2-lite** configuration (both sashes operate)
- **DP 50** (window size tested 72" x 48")

STYLES



Double Hung



Slider



Picture

CUSTOM OPTIONS

- **Low-E Glass**, **Low-E Glass + Argon Gas**, **& Ultra Low-E Glass + Argon Gas**
- Triple-pane, R-5 compliant glass panels with Low-E Glass + Argon Gas or Ultra Low-E Glass + Argon Gas
- InsulKor™ multi-cavity foam-filled frame
- Nail fin accessory for use in remodeling or new construction applications
- Window Opening Control Device (WOCD) for fall prevention
- Today's nine most popular painted exterior colors (on white interiors)
- Three interior wood laminates in light oak, dark oak or cherry
- Additional lock colors to complement any interior color
- 5/8" or 1" contoured, 5/8" or 3/4" flat, or 1-1/8" simulated divided lite (SDL) grid
- Obscure or double-strength glass

COLOR OPTIONS*

VINYL



White



Almond

PAINT EXTERIOR



Tan



Gray



Clay



Terratone



Bronze



Dark Chocolate



Brick Red



Hunter Green



Black

LAMINATE INTERIORS



Light Oak



Dark Oak



Cherry

* Printing process may affect color shown. Please refer to actual window sample when selecting colors. Only use mild, water based household cleaner on painted product and rinse immediately with water. See full cleaning instructions for details.

LOCKS



White (color matched)



Almond (color matched)



Dark Chocolate (color matched)



Cherry (color matched)



Brass (optional)



Brushed Nickel (optional)

InsulKor Frame Technology for Outstanding Energy Efficiency

InsulKor™ technology is a system of sash and frame enhancements that dramatically improves the performance of the Series 8900 Double Hung window.

Our exclusive InsulKor fiberglass-enriched polyurethane sash reinforcement replaces aluminum rebar traditionally placed in lock and meeting rails. With structural integrity equal to or better than metal alternatives, the InsulKor insert also reduces thermal conductivity and yields better energy efficiency.

The optional InsulKor multi-cavity foam-filled frame injections add thermal-enhancing insulation in specific hollows to increase the frame's R-values. The combination of foam-filled and dead-air chambers optimizes each window's thermal properties for the most energy-efficient window system available.

When combined with either of our R-5 rated, triple-pane glazing systems, these InsulKor sash and frame enhancements help make the Series 8900 one of the most energy-efficient, strongest window systems available on the market today.



1. Exclusive InsulKor fiberglass-enriched polyurethane sash reinforcement
2. Triple-pane, R-5 compliant glass
3. Super Spacer® sealant system**
4. Optional InsulKor multi-cavity foam-filled frame injections

** Super Spacer® nXt™ standard with Series 8900 triple-pane glass options.

Series 8300
VINYL WINDOWS



STANDARD SERIES FEATURES

- **Sashes tilt in** for easy cleaning
- **Reinforced multi-cavity construction** offers additional thermal protection and structural integrity
- **Positive-action cam lock** enhances safety (2 locks standard at 27-1/4" or wider)
- **Insulated glass panels** with optimum thermal air space featuring a warm-edge spacer system
- **Half screen comes standard***
- **Integrated slim-line lift rail** allows you to easily operate sash
- **Sloped sill** reduces air infiltration and accommodates easy water run-off
- **Fusion-welded sashes and frame** add strength and additional insulation
- **Constant force coil** balance permits easy sash movement
- **Dual push-button night latches** provide easy, secure ventilation
- **Interlocking sashes** help block out drafts
- **Dual-fin weather stripping** helps reduce air infiltration
- **Rubber bulb seal** helps block air infiltration
- **Jamb depth: 3.25"**
- **Transferable limited lifetime warranty**

*Screens are not meant to restrain a child from falling through an open window.

8300 STANDARD SLIDER FEATURES

- **Tandem rollers** ride easily along friction free glide channel
- **Integrated glide rail** for easy sash opening and closing
- **Available in 1/4 - 1/2 - 1/4 or 1/3 - 1/3 - 1/3 configurations**
- **XO or OX 2-lite** styles available
- **Window Opening Control Device** (WOCD) for fall prevention optional
- **Half screen comes standard**

CUSTOM OPTIONS

- **Low-E Glass, Low-E Glass + Argon Gas**
- **Ultra Low-E Glass + Argon Gas Obscure glass**
- Double strength glass
- Optional 5/8" or 3/4" flat, 5/8" or 1" contoured grids
- Eight painted exterior colors (white interiors only)
- Aluminum charcoal mesh screen
- Window Opening Control Device (WOCD) for fall prevention
- Lifetime glass breakage warranty

STYLES



Double Hung



Slider

Picture

COLOR OPTIONS*

VINYL



White Almond

LAMINATE



Black

Available in double hung, picture, and sliding windows with nail fin only

PAINT EXTERIOR



Tan Gray Clay Terratone Bronze



Dark Chocolate Brick Red Hunter Green Black

* Printing process may affect color shown. Please refer to actual window sample when selecting colors. Only use mild, water based household cleaner on painted product and rinse immediately with water. See full cleaning instructions for details.

Series 8100
VINYL WINDOWS

STANDARD SERIES FEATURES

- **Bottom sash tilts in** for easy cleaning
- **Insulated glass panels** with optimum thermal air space featuring a warm-edge spacer system
- **Aluminum-reinforced lock and meeting rails** enhance structural integrity
- **Double sash locks** provide extra security (2 locks standard at 27-1/4" or wider)
- **Block & tackle balance system** keeps lower sash stationary when opened to any position
- **Beveled exterior frame** makes a stylish design statement
- **Integrated slim-line lift rail** allows you to easily operate sash
- **Factory applied wrap-around foam** enhances thermal efficiency around the frame's exterior
- **Fusion-welded frame and sash corners** ensure frame durability
- **Sloped sill** accommodates easy water run-off
- **Factory-installed half-screen standard***
- **Head expander and sill angle** are included
- **Jamb depth: 2.624"**
- **Transferable limited lifetime warranty**

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8100 STANDARD SLIDER FEATURES

- **Tandem rollers** ride easily along friction free glide channel
- **Integrated glide rail** for easy sash opening and closing
- **Available in 1/4 - 1/2 - 1/4 or 1/3 - 1/3 - 1/3 configurations**
- **XO or OX 2-lite** styles available
- **Half screen comes standard**
- **2.75" jamb**

CUSTOM OPTIONS

- **Low-E Glass, Low-E Glass + Argon Gas, & Ultra Low-E Glass + Argon Gas**
- Obscure glass
- Double strength glass
- Optional 5/8" or 1" contoured grid, 5/8" or 3/4" flat grid
- Custom sizes cut on 1/8" width and height
- Factory mulling of twins and triples
- Lifetime glass breakage warranty

STYLES



Single Hung



Slider

Picture

Bay & Bow also available.

COLOR OPTIONS*

VINYL



White Almond

* Printing process may affect color shown. Please refer to actual window sample when selecting colors. Only use mild, water based household cleaner on painted product and rinse immediately with water. See full cleaning instructions for details.

Series Feature Comparison

FEATURE	8900	8300	8100
Construction			
Virtually maintenance-free, premium vinyl construction	✓	✓	✓
All-welded sashes and frames	✓	✓	✓
Integrated full-length slim-line lift rail	✓	✓	✓
Block & tackle balance system			✓
Constant force coil balance system	✓	✓	
InsulKor™ fiberglass-enriched polyurethane reinforcement	✓		
InsulKor multi-cavity foam-filled frame	⊕		
Night ventilation latches	✓	✓	
Window Opening Control Device (WOCD) for fall prevention	⊕	⊕	
Deluxe cam lock	✓	✓	✓
Dual-fin weather stripping	✓	✓	✓
Rubber bulb seal	✓	✓	✓
Half screen*	⊕	✓	✓
Full screen*	✓	⊕	
Charcoal aluminum mesh screen*	⊕	⊕	⊕
Aesthetics			
Interior wood laminate (light oak, dark oak, or cherry)	⊕		
Exterior black laminate (white interior, nail fin only)		⊕	
Exterior hunter green, dark chocolate, terratone, clay, brick red, bronze, gray, tan or black paint (white interior only)	⊕	⊕	
5/8″ or 3/4″ flat grid	⊕	⊕	⊕
5/8″ or 1″ contoured grid	⊕	⊕	⊕
5/8″ or 3/4″ diamond grid	⊕	⊕	⊕
5/8″ valance contoured grid	⊕	⊕	⊕
1-1/8″ simulated divided lite (SDL) grid	⊕		
Almond, dark chocolate, cherry, brass or brushed nickel lock	⊕		
Glass			
Low-E Glass	⊕	⊕	⊕
Low-E Glass + Argon Gas	✓	⊕	⊕
Ultra Low-E Glass + Argon Gas	⊕	⊕	⊕
Triple-pane, R-5 compliant glass with Super Spacer® sealant system	⊕		
Warm-edge insulated glass panels	✓	✓	✓
Obscure glass	⊕	⊕	⊕
Double-strength glass	⊕	⊕	⊕
Warranties			
Transferable limited lifetime warranty	✓	✓	✓
Lifetime glass breakage warranty	✓	⊕	⊕
Individually registered product number	✓	✓	✓

✓ = Standard ⊕ = Optional

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Series 312/311

VINYL SLIDING PATIO DOORS



Series 332

VINYL SLIDING PATIO DOORS

312 STANDARD FEATURES

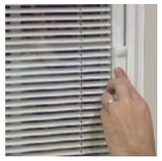
- **Offered in a range of standard sizes. Standard height is 6′8″**
- **2 panel sizes: 5′, 6′, 6′4″ and 8′**
- **3 panel sizes: 9′ and 12′**
- **4 panel size: 12′**
- **Custom sizes available**
- **Field reversible** (not available with BBG)
- **Aluminum track** for moving panel
- **Easy installation** in new construction applications
- **Screen comes standard**
- **Deluxe color-matched hardware**. Brushed nickel or brass handle (optional)
- **Keyed lock** standard
- **Available in Ultra Low-E Glass + Argon Gas** (not available with BBG)
- **Optional 1-1/8″ SDL**, a traditional simulated divided lite raised-style grid
- **Exterior painted colors** (not available on 4 panel doors), interior wood laminates, and bronze exterior laminate available
- **Optional Coastal Upgrade**

311 STANDARD FEATURES

- **Offered only in 5′, 6′ and 6′4″ sizes**
- **White only**, screen optional
- **Field reversible**
- **White handle** with lock
- **Exceptional value**

BLINDS BETWEEN THE GLASS

- Available with 332 and 312 patio doors in 6068.
- Available in white, almond, clay laminates and painted colors.
- Blinds, operators and glass panels available in white only.



Easy to raise, lower and tilt blinds



Controls light and privacy



Never needs dusting and is safe for pets and children

STYLES



Sliding Patio Door

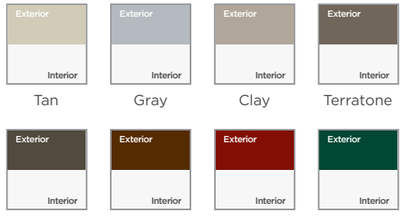
COLOR OPTIONS*

VINYL



White Almond Clay

PAINT EXTERIOR



Tan Gray Clay Terratone

Bronze Dark Chocolate Brick Red Hunter Green

LAMINATE COLORS



Light Oak Dark Oak Cherry Black

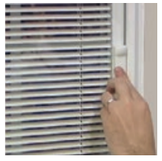
* Printing process may affect color shown. Please refer to actual window sample when selecting colors. Only use mild, water based household cleaner on painted product and rinse immediately with water. See full cleaning instructions for details.

STANDARD FEATURES

- **Offered in a range of standard sizes. Standard heights are 6′8″ and 8′** (2 panel only)
- **2 panel sizes: 5′, 6′, 6′4″ and 8′**
- **3 panel sizes: 9′ and 12′**
- **4 panel size: 12′**
- **DP 50 rating**, great for coastal applications
- **Easy installation** in new construction applications with built-in 4-9/16″ jamb
- **Field reversible** (6′8″ height only; not available with BBG)
- **Additional security available** with multi-point keyed lock
- **Deluxe color-matched hardware** (Brass standard for laminate and paint). Brushed nickel or brass handle (optional)
- **Tremendous options selection**, including snap-in brickmould and foot bolt lock
- **Available in Ultra Low-E Glass + Argon Gas** (not available with BBG)
- **Optional 1-1/8″ SDL**, a traditional simulated divided lite raised-style grid
- **Heavy-duty screen**
- **Exterior painted colors** (not available on 4 panel doors), interior wood laminates, and bronze exterior laminate available
- **Optional Coastal Upgrade**

BLINDS BETWEEN THE GLASS

- Available with 332 and 312 patio doors in 6068.
- Available in white, almond, clay laminates and painted colors.
- Blinds, operators and glass panels available in white only.



Easy to raise, lower and tilt blinds



Controls light and privacy



Never needs dusting and is safe for pets and children

332 OPTIONS



Dual Point Lock (Standard)



Brick Mould J-Channel



Foot Bolt Lock

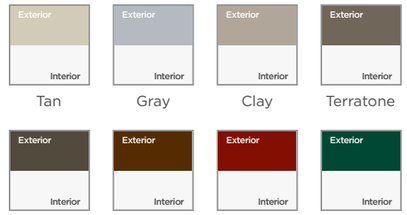
COLOR OPTIONS*

VINYL



White Almond Clay

PAINT EXTERIOR



Tan Gray Clay Terratone

Bronze Dark Chocolate Brick Red Hunter Green

LAMINATE COLORS*



Light Oak Dark Oak Cherry Black

* Printing process may affect color shown. Please refer to actual window sample when selecting colors. Only use mild, water based household cleaner on painted product and rinse immediately with water. See full cleaning instructions for details.

Complementary shapes and styles to enhance your home's beauty



Casement & Awning Windows

Casement and awning windows lend a clean, modern look to contemporary homes, cottages or bungalows.

- **Beautiful, beveled exterior** frame perimeter
- **Low profile handle folds in** and provides a popular aesthetic appeal
- **Narrow profile** permits expanded viewing area
- **Fusion-welded frame and sash** for weather-tight performance
- **Full-perimeter double weather stripping**
- **Low-E glass and insulating argon gas** provide superior thermal efficiency
- **Insulated glass panels** featuring warm-edge spacer system
- **Casement windows open 90 degrees** for better ventilation
- **Extruded full screens** mount on the interior and are removable*
- **Tandem locks standard** on all casements over 34″ in height
- **Available colors are white and almond**
- **Jamb depth: 3.25″**
- **Lifetime glass breakage warranty**
- **Transferable limited lifetime warranty**

CUSTOM OPTIONS

- **Low-E Glass, Ultra Low-E Glass + Argon Gas**
- Obscure or double strength glass
- 2″ simulated meeting rail
- Charcoal aluminum mesh screen*
- Interior laminates, exterior painted colors and decorative hardware available (see Series 8900 for available colors)

*Screens are not meant to restrain a child from falling through an open window.



Bay & Bow Windows

Bay windows and bow windows provide a picture-perfect, three-dimensional space for a cozy window seat, breakfast nook or plant ledge to complement any home's decor.

- **Bay windows may be positioned at 30° or 45°**
- **Bow windows are positioned at 15°**
- **All units come completely assembled and ready** for installation
- **Choice of double-hung or casement** windows to flank picture window
- **Screens included** on all operable flankers*
- **1″ birch head and seat board come standard**
- **Available colors are white and almond**
- **Transferable limited lifetime warranty**

CUSTOM OPTIONS

- **Low-E Glass, Low-E Glass + Argon Gas**
- **Ultra Low-E Glass + Argon Gas**
- Custom sized on 1/8″ increments
- Beveled or leaded glass (in picture windows only)
- Obscure, tempered and double strength glass available
- 5/8″ or 3/4″ flat grids between the glass, 5/8″ or 1″ contoured between the glass, or 1-1/8″ simulated divided lite (SDL) grids available
- Grid patterns: colonial, prairie, perimeter prairie, diamond or custom patterns
- Oak head and seat board
- Color options available with selected window series



Garden Windows

Our garden windows brighten interior spaces and provide versatile space for displaying plants or décor.

- **A fully welded, reinforced PVC frame** delivers superior strength and stability without extra support
- **Tempered, Low-E glass is standard in the top, sloped insulated glass unit**, providing safety and improved energy efficiency
- **Easy-care white and almond vinyl on the interior and exterior.**
- **Birch veneer seat board** comes standard
- **An integrated weep system** for enhanced water performance
- **The multi-point locking system** provides a tight seal and added security
- **Standard FlexScreen flexible window screens** are easy to install and remove from the inside. They fit easily into the screen track and conceal the screen frame, providing a larger viewing area.
- **Suitable for new construction and remodeling projects**
- **Standard 17″ projection** for all garden windows
- **Jamb depths of 4-9/16″, 5-1/4″ and 6-9/16″ are standard**
- **Limited Lifetime Warranty**

CUSTOM OPTIONS

- **Low-E Glass, Low-E Glass + Argon Gas**
- Custom sizes available:
  - Width: 24″ to 72″
  - Heights: 32″ to 63″
  - Custom jamb depths to fit many applications
- Optional interior Oak veneer
- Adjustable glass shelves for added versatility
- A 1-inch-thick, insulated seat board helps prevent heat loss and drafts with a lightweight, water-resistant barrier
- 5/8″ Flat Colonial grilles-between-the-glass are available (in the front fixed glass only)



Architectural Shapes

Create a window system that truly stands out—from octagons and trapezoids to full circles, half rounds, eyebrows and more, we can custom craft any specialty window to fulfill your visions.

- **Standard sizes are available** plus a full range of architectural options to accommodate any building style, from colonial to contemporary, from Cape Cod to Southwest
- **Factory mulling** is at your calling for quick, hassle-free installation
- **Available colors: white or almond**
- **Interior wood laminate** (light oak, dark oak or cherry), bronze exterior laminate



Full Round Half Round Triangle

Hopper Windows

The all-welded Series 600 Basement Hopper Window is available in white with clear glass and features dual tilt latches.



- The window is available in three stock sizes:
  - 32″ x 15-1/2″
  - 32″ x 19-1/2″
  - 32″ x 23-1/2″

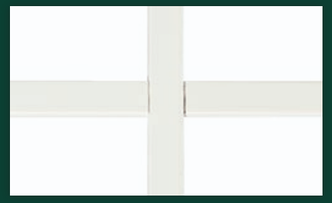
Make a Style Statement with a Wide Range of Grid Styles



1-1/8" SDL Grid*



5/8" or 1" Contoured Grid



5/8" or 3/4" Flat Grid

*SDL grid available on Series 8900, casement and awning windows only.





DO NOT REMOVE
MAKE DATE: 4/9/2017 WARRANTY: 02589514
SALES ORDER: 00735962

ATRIUM ASSURANCE

All Atrium products are backed by a limited lifetime warranty and include specific warranty ID numbers on each product, should replacement parts ever be needed. All replacement window warranties are transferable with a lifetime glass breakage warranty available (standard on Series 8900, casements and awnings).

Please see each window and door warranty for complete details.

Energy-Smart Options from Atrium

LOW-E GLASS + ARGON GAS

Argon gas works like an insulating blanket between two panes of glass to further improve thermal efficiency and decrease outside sound levels.

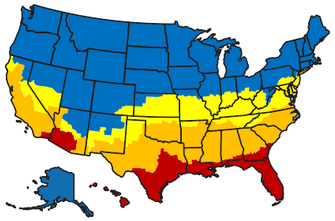
ULTRA LOW-E GLASS + ARGON GAS

Choose our ultimate glass package for optimal energy efficiency and maximum cost savings. Ultra Low-E glass offers three invisible layers of silver coating in addition to the superior thermal performance of argon gas.

TRIPLE-PANE, R-5 COMPLIANT GLASS

Triple-pane, R-5 compliant glass provides industry-leading thermal resistance, noise reduction and protection from the sun. The Series 8900 offers this option with both Low-E glass with argon gas or Ultra Low-E glass with argon gas for the ultimate in insulation.

ENERGY STAR 7.0 CLIMATE ZONE MAP



CRITERIA FOR WINDOWS

Climate Zone	U-Factor[1]	SHGC[2]	
Northern	≤ 0.22	≥ 0.17	Prescriptive
	= 0.23	≥ 0.35	Equivalent Energy Performance
	= 0.24		
	= 0.25	≥ 0.40	
	= 0.26		
North-Central	≤ 0.25	≤ 0.40	
South-Central	≤ 0.28	≤ 0.23	
Southern	≤ 0.32	≤ 0.23	

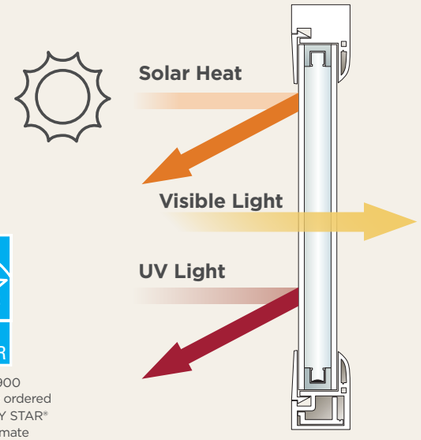
Air Leakage ≤0.3 cfm/ft²
[1] Btu/h-ft²-°F
[2] Solar Heat Gain Coefficient

WE SELL ENERGY STAR

Atrium Series 8900 windows can be ordered to meet ENERGY STAR® criteria for all climate zones. Verify product specifics before ordering.

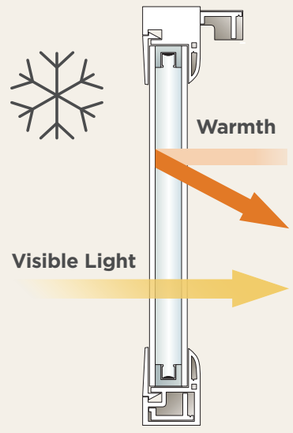
SUMMER

Low-E glass reduces heat gain from the sun, keeping your home cooler.



WINTER

Low-E glass lets the warm solar rays in while blocking the heat in your home from getting out.







Why Vinyl?

- Durable PVC vinyl resists warping and will never need painting or refinishing, and fusion welding creates tight seals that dramatically reduce drafts and energy costs.
- During the past 20 years, PVC products have been found to perform favorably in terms of energy efficiency, thermal-insulating value, low contribution to greenhouse gases and product durability.
- PVC is better for the environment than competing products, reducing CO2 emissions and utilizing up to 20% less energy to produce than other plastics.

ATRIUM
WINDOWS & DOORS

ATRIUM.COM

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